

E 641 3543

Repair Inquiry

Repair Number: RE00092749

Serial: C6413548 Model: M24 SWS Center Fire
Caliber: 7.32 NATO

Repairman:

Verify Repair

Status:

Closed 2/8/2005 1:43:11 PM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: HHC 2/505 PIR, 82ND AIRBORNE DIVISION

HHC 2/505 PIR, 82ND AIRBORNE DIVISION

Address 1: SSG SANDIVAL

SSG SANDIVAL

Address 2:

P.O. Box:

P.O. Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 910 797-8996

Fax:

Email:

Comments:

Received Condition

Good

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Front and Rear Sgt Base	1

Repair Search

Refresh

Close

negletj

2/8/2005

3:02 PM

CAPS

NUM

INS

SCRL

start

Serial Number:

E6413548

Model: M24 SWS



RE00092749

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413548.___0
FILE DATE AND TIME: 02/28/2005 07:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

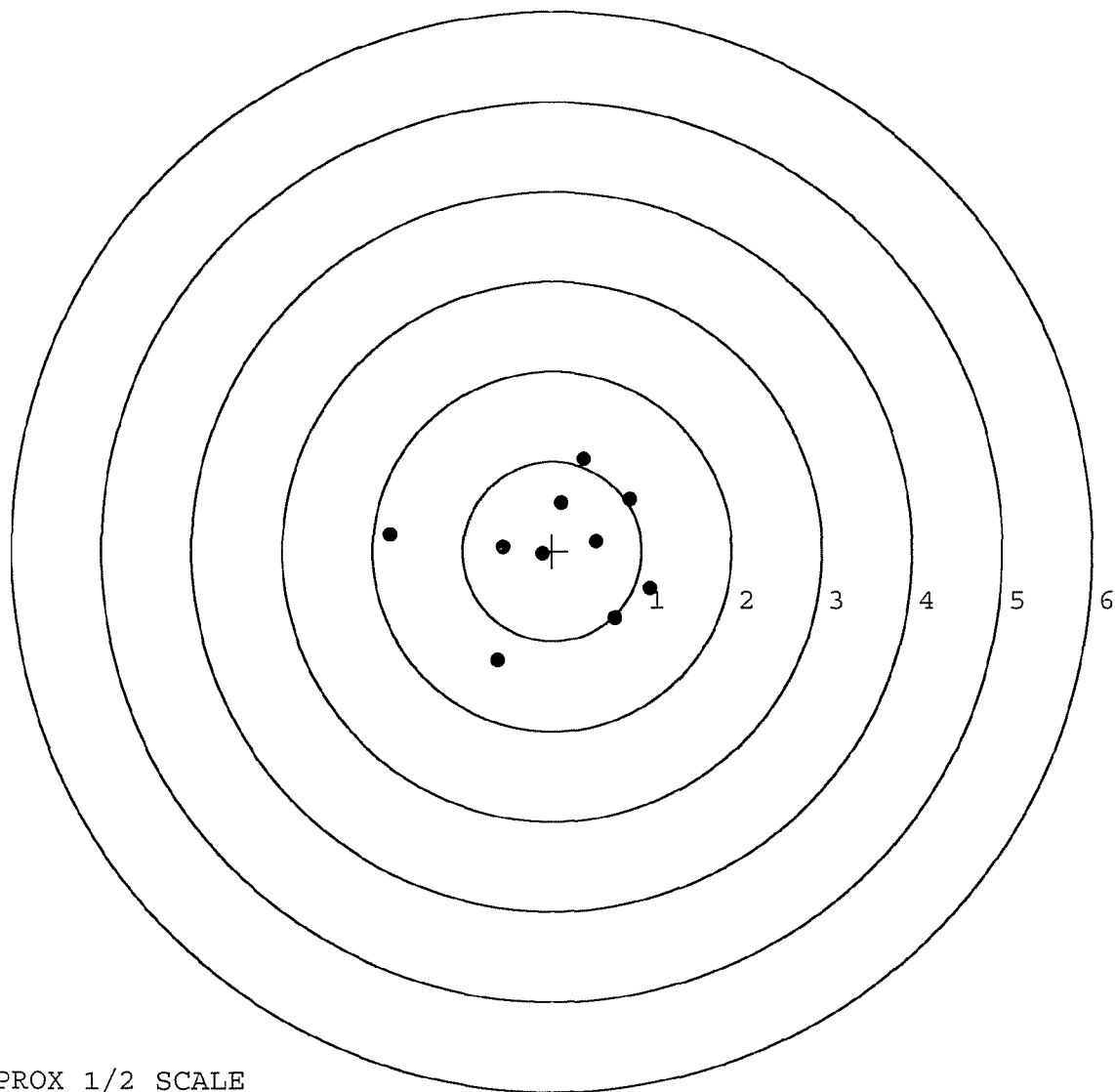
The Average X Centroid of the Five Target Set:	-0.009
The Average Y Centroid of the Five Target Set:	-0.066
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.833
The Distance from POA to Centroid Target #1:	0.055
The Distance from Centroid Target #2 to Centroid Target #1:	0.251
The Distance from Centroid Target #3 to Centroid Target #1:	0.114
The Distance from Centroid Target #4 to Centroid Target #1:	0.126
The Distance from Centroid Target #5 to Centroid Target #1:	0.316

BARBER - M24 0120445

SERIAL NUMBER: E6413548. __0
 TARGET NUMBER: 1
 FILE DATE: 02/28/2005
 FILE TIME: 07:51

POINT#	X	Y
1:	1.089	-0.425
2:	0.702	-0.747
3:	0.496	0.110
4:	0.869	0.574
5:	0.103	0.539
6:	0.360	1.030
7:	-0.109	-0.036
8:	-0.553	0.049
9:	-0.607	-1.218
10:	-1.808	0.189

X CENTROID: 0.054
 Y CENTROID: 0.006
 POA TO CENTROID: 0.055
 HORZ SPREAD: 2.897
 VERT SPREAD: 2.248
 GROUP SPREAD: 2.961
 MIN RADIUS: 0.169
 MAX RADIUS: 1.871
 MEAN RADIUS: 0.920
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0120446

SERIAL NUMBER: E6413548. __0

TARGET NUMBER: 2

FILE DATE: 02/28/2005

FILE TIME: 07:51

POINT#	X	Y
1:	0.663	-0.884
2:	-0.162	-0.854
3:	-0.342	-0.635
4:	-0.910	0.082
5:	-1.044	0.576
6:	0.431	-0.112
7:	0.168	-0.271
8:	0.156	0.239
9:	-0.237	0.176
10:	0.098	-0.081

X CENTROID: -0.118

Y CENTROID: -0.176

POA TO CENTROID: 0.212

HORZ SPREAD: 1.707

VERT SPREAD: 1.460

GROUP SPREAD: 2.246

MIN RADIUS: 0.236

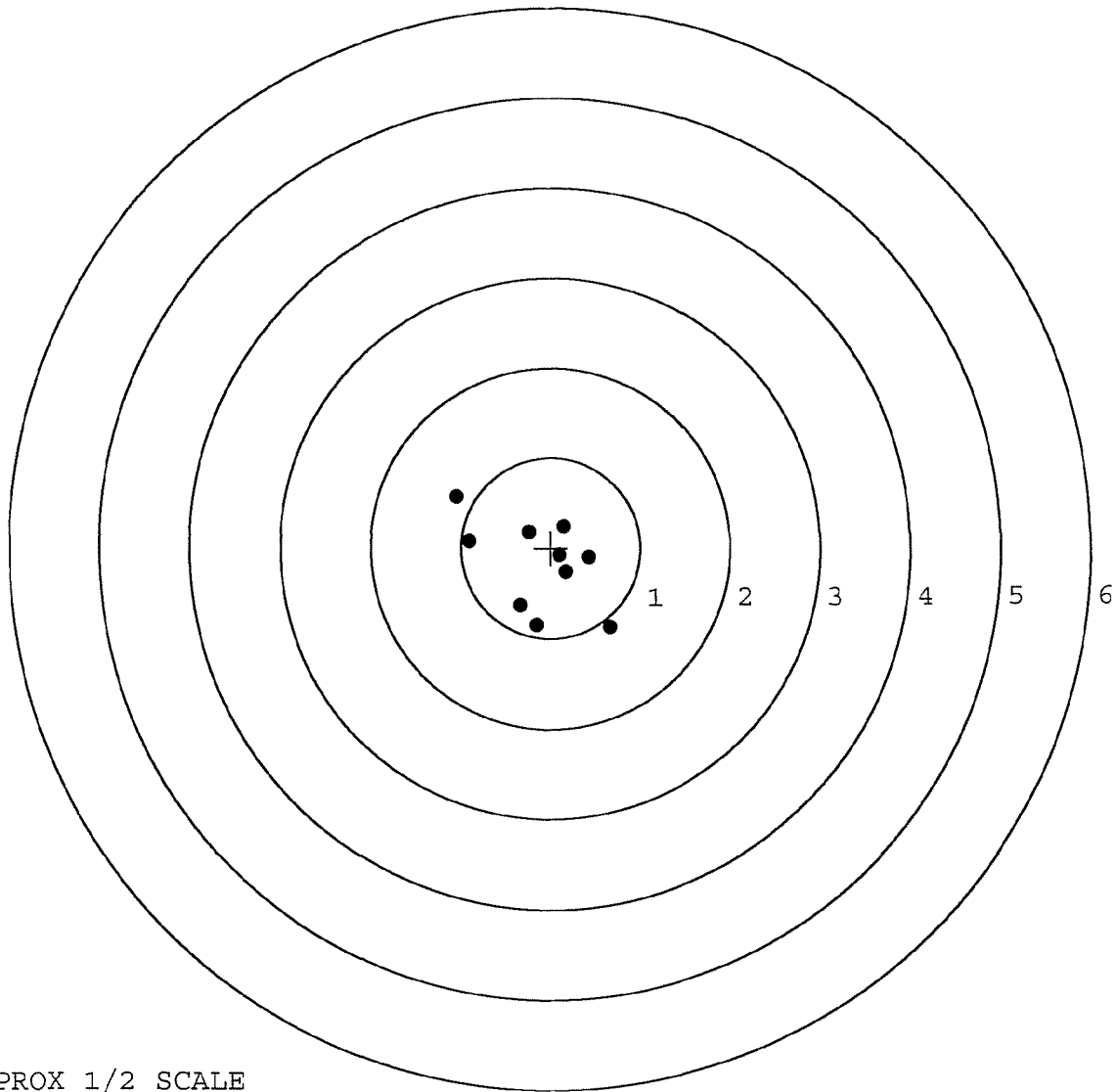
MAX RADIUS: 1.193

MEAN RADIUS: 0.623

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



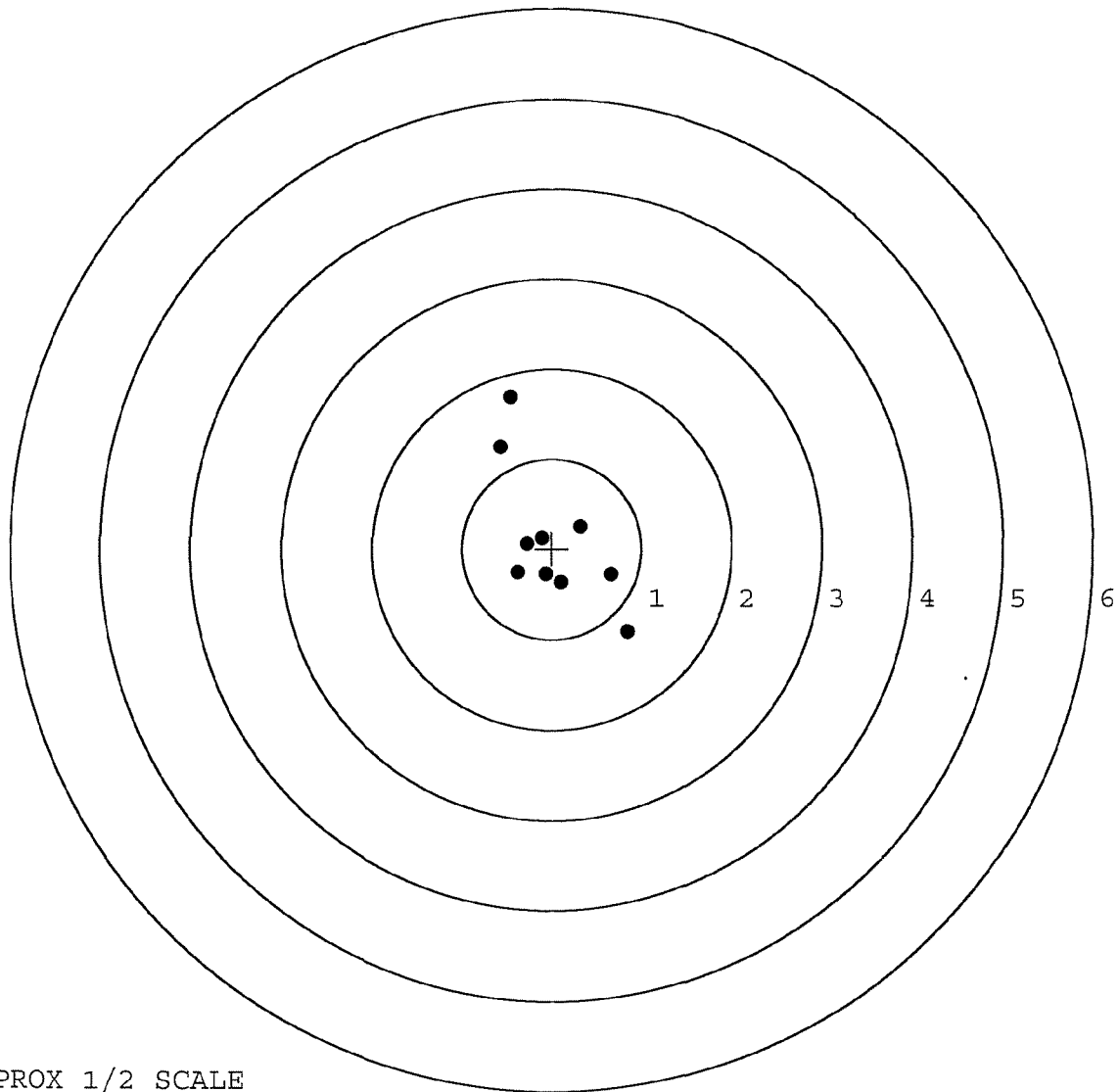
TARGET APPROX 1/2 SCALE

BARBER - M24 0120447

SERIAL NUMBER: E6413548. __0
 TARGET NUMBER: 3
 FILE DATE: 02/28/2005
 FILE TIME: 07:51

POINT#	X	Y
1:	0.846	-0.921
2:	0.662	-0.293
3:	0.318	0.240
4:	0.101	-0.376
5:	-0.069	-0.285
6:	-0.580	1.139
7:	-0.463	1.687
8:	-0.107	0.114
9:	-0.276	0.054
10:	-0.384	-0.266

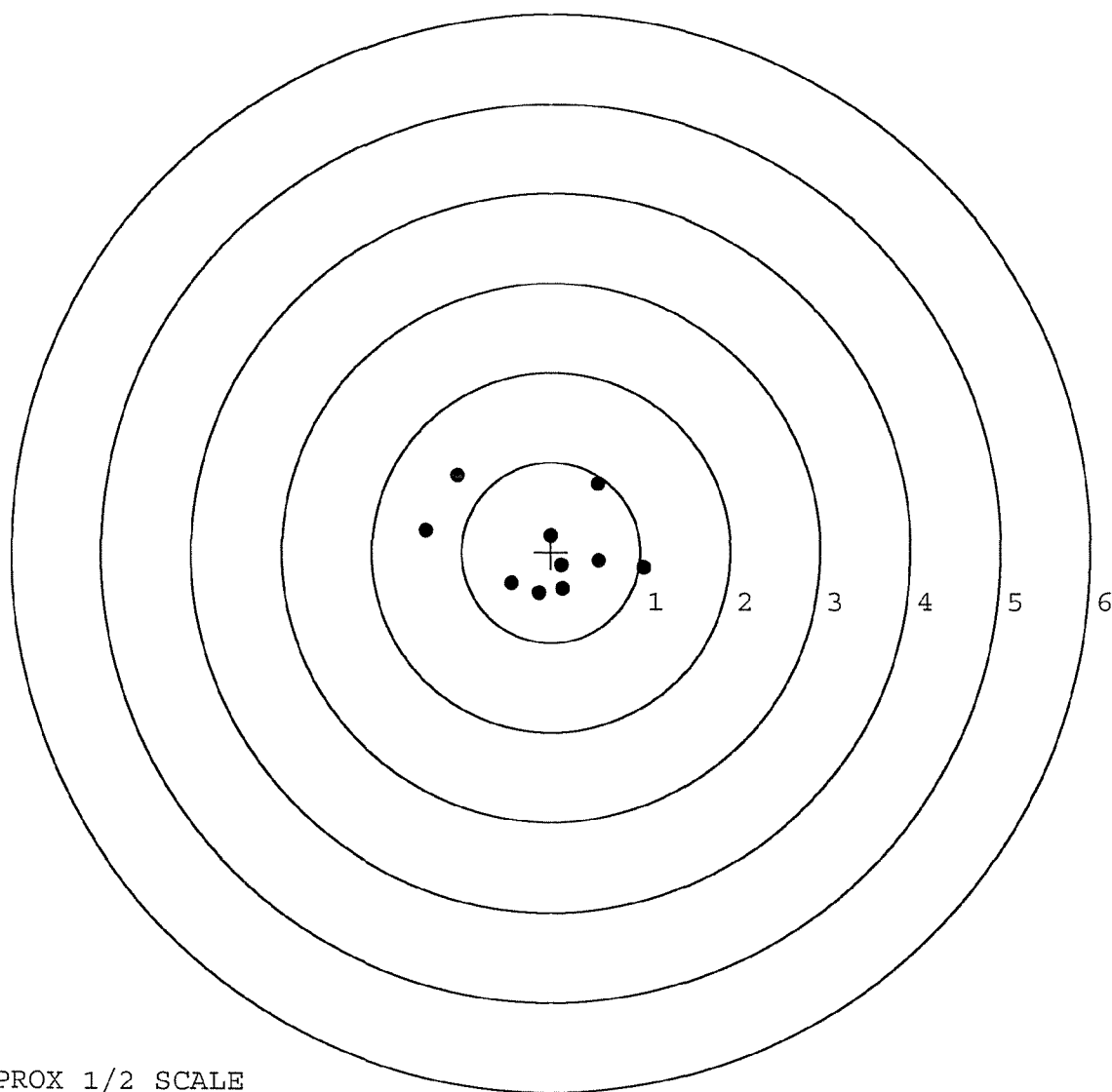
X CENTROID: 0.005
 Y CENTROID: 0.109
 POA TO CENTROID: 0.109
 HORZ SPREAD: 1.426
 VERT SPREAD: 2.608
 GROUP SPREAD: 2.918
 MIN RADIUS: 0.112
 MAX RADIUS: 1.646
 MEAN RADIUS: 0.710
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0120448

SERIAL NUMBER: E6413548. __0	POINT#	X	Y
TARGET NUMBER: 4	1:	1.038	-0.181
FILE DATE: 02/28/2005	2:	0.538	-0.101
FILE TIME: 07:51	3:	0.133	-0.407
	4:	0.120	-0.153
X CENTROID: -0.068	5:	-0.139	-0.460
Y CENTROID: 0.039	6:	-0.445	-0.353
POA TO CENTROID: 0.078	7:	0.005	0.180
HORZ SPREAD: 2.443	8:	0.531	0.759
VERT SPREAD: 1.317	9:	-1.053	0.857
GROUP SPREAD: 2.480	10:	-1.405	0.245
MIN RADIUS: 0.159			
MAX RADIUS: 1.353			
MEAN RADIUS: 0.728			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 7			
# in 3 IN DIAMETER: 10			



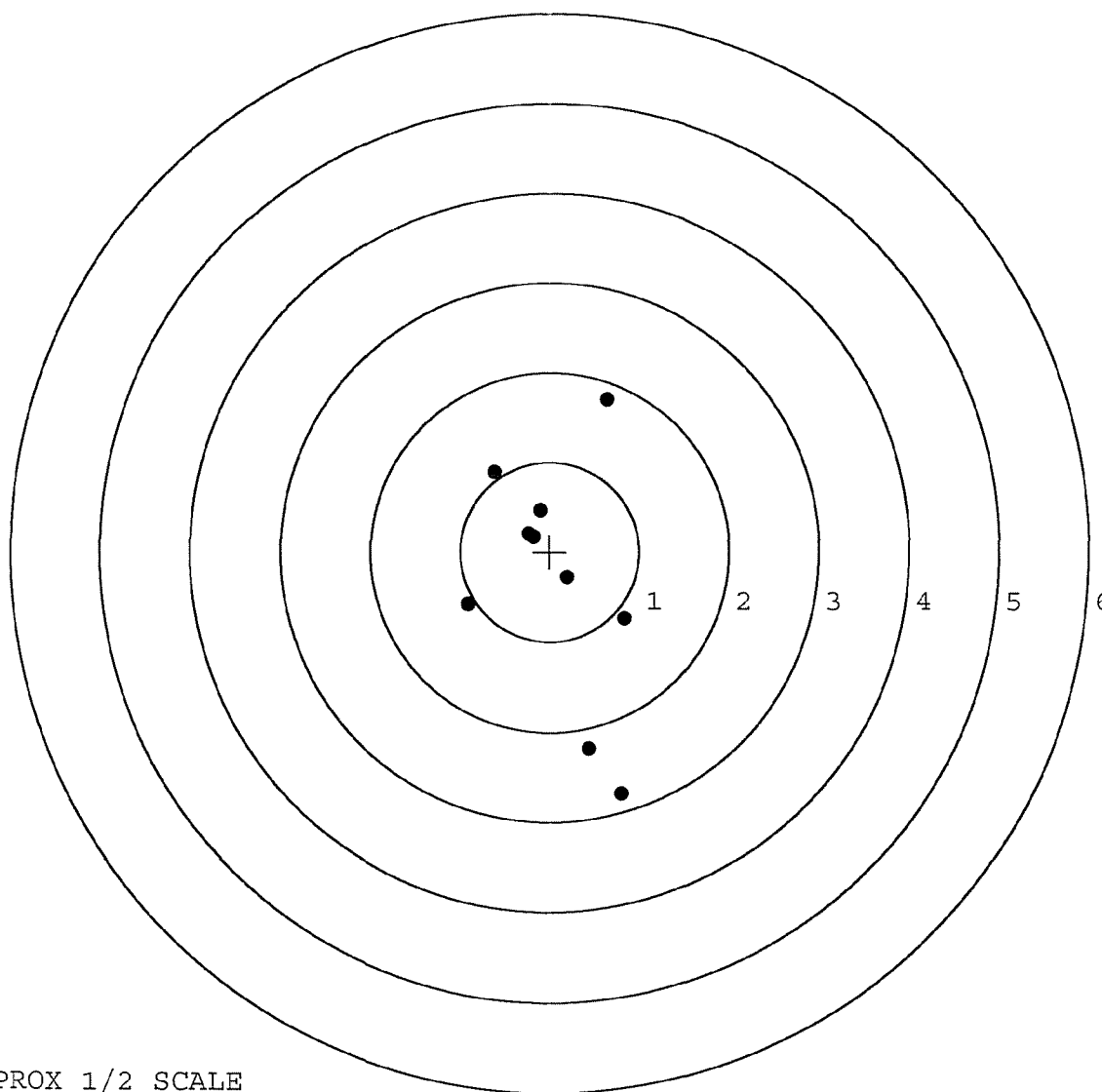
TARGET APPROX 1/2 SCALE

BARBER - M24 0120449

SERIAL NUMBER: E6413548. __0
 TARGET NUMBER: 5
 FILE DATE: 02/28/2005
 FILE TIME: 07:51

POINT#	X	Y
1:	0.805	-2.689
2:	0.437	-2.187
3:	0.836	-0.750
4:	0.197	-0.291
5:	-0.111	0.464
6:	-0.244	0.206
7:	-0.915	-0.584
8:	-0.619	0.888
9:	0.640	1.698
10:	-0.187	0.169

X CENTROID: 0.084
 Y CENTROID: -0.308
 POA TO CENTROID: 0.319
 HORZ SPREAD: 1.751
 VERT SPREAD: 4.387
 GROUP SPREAD: 4.390
 MIN RADIUS: 0.114
 MAX RADIUS: 2.488
 MEAN RADIUS: 1.185
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 2.8-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.14	2.40		2.19	
PULL #2	2.25	2.32		2.12	
PULL #3	2.28	2.24		2.19	
PULL #4	2.27	2.08		2.17	
PULL #5	2.13	2.05		2.18	
TOTAL	11.07	11.09		10.85	
AVERAGE	2.21	2.21		2.17	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.14		
PULL #2	3.20	3.18		
PULL #3	3.08	3.14		
PULL #4	3.23	2.82		
PULL #5	3.18	3.10		
TOTAL	15.97	15.38		
AVERAGE	3.19	3.07		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.09	4.13		4.37
PULL #2	4.15	4.17		4.21
PULL #3	4.23	4.11		3.67
PULL #4	4.13	4.13		4.18
PULL #5	4.13	4.08		4.13
TOTAL	20.73	20.62		20.56
AVERAGE	4.14	4.12		4.11

R & E NUMBER	92749		
SERIAL NUMBER	E6413548		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-05	RTZ
560 A	RE-BARREL	2-12-05	RTZ
B	DRILL AND TAP	2-15-05	TRW
575	ASSEMBLE	2-12-05	RTZ
600	PROOF	2-14-05	AC
605	CHECK HEADSPACE	2-14-05	AC
610	DIS-ASSEMBLE GUN	2-14-05	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	2-17-05	CW
618	ROTO-BLAST	2-17-05	LB
620	APPLY COATINGS	2/23/05	HP
625 A	FINAL ASSEMBLY	2-24-05	RTZ
B	TRIGGER PULL TEST	3-7-05	RTZ
C	SAFETY "ON" FORCE	3-7-05	RTZ
D	SAFETY "OFF" FORCE	3-7-05	RTZ
E	FIRING PIN INDENT	NA	
640	TARGET	2-28-05	TRW
655	FINAL INSPECT	3-7-05	RTZ
660	PACK	3-7-05	RTZ
		SHIP DATE	
QAR INSPECTION DATE			

BARBER - M24 0120453

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413548

29 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0268

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0362

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0450409

THE AMR FOR THIS RIFLE IS: .9692

CENTROIDAL DISTANCES

0 TO	1	.0863713
1 TO	2	.277834
1 TO	3	.115169
1 TO	4	.0181108
1 TO	5	.232648

25
3
4 <----POA

BARBER - M24 0120454

REMINGTON CENTERFIRE ACCURACY TEST

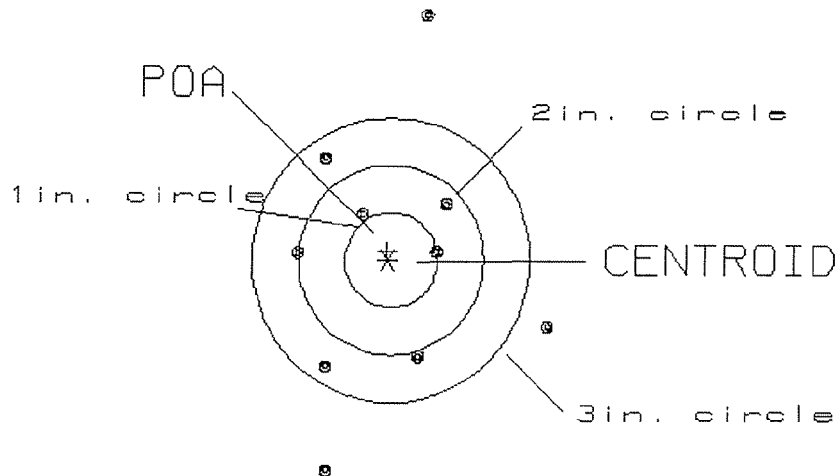
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .086
MIN RADIUS : .538
MEAN RADIUS : 1.331
MAX RADIUS : 2.602
CENTROID X : .008
CENTROID Y : -.086

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 2.68

0

VS= 4.76

3

GS= 4.89

7

BARBER - M24 0120455

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .192

MIN RADIUS : .182

MEAN RADIUS : .933

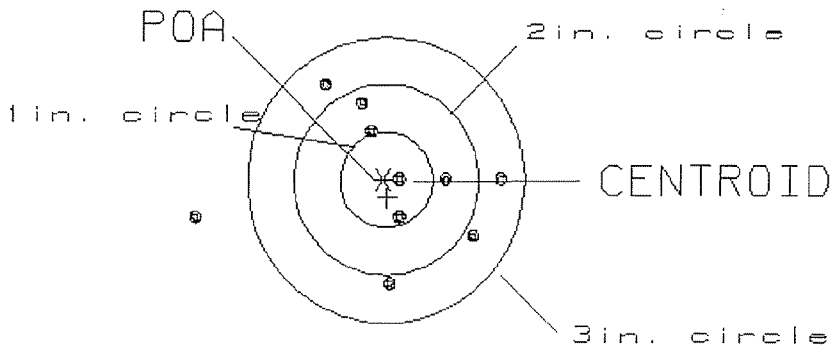
MAX RADIUS : 2.079

CENTROID X : -.038

CENTROID Y : .188

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 3.25

2

VS= 2.15

5

GS= 3.27

9

BARBER - M24 0120456

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 030

FOA TO CENTROID: .053

MIN RADIUS : .376

MEAN RADIUS : 1.015

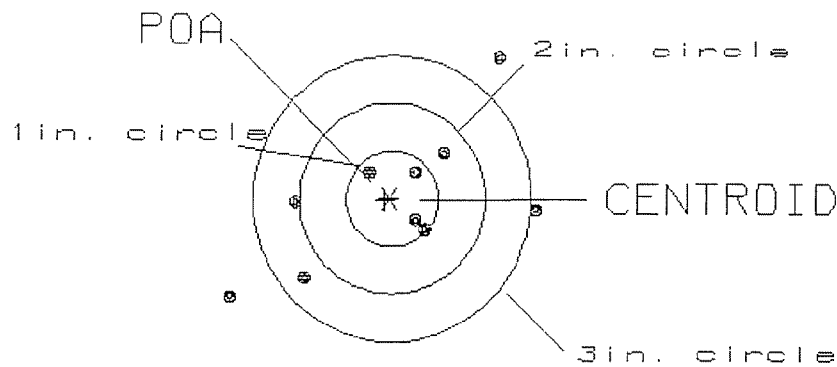
MAX RADIUS : 2.049

CENTROID X : .048

CENTROID Y : .022

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 3.29

3

VS= 2.53

5

GS= 3.84

7

BARBER - M24 0120457

REMINGTON CENTERFIRE ACCURACY TEST

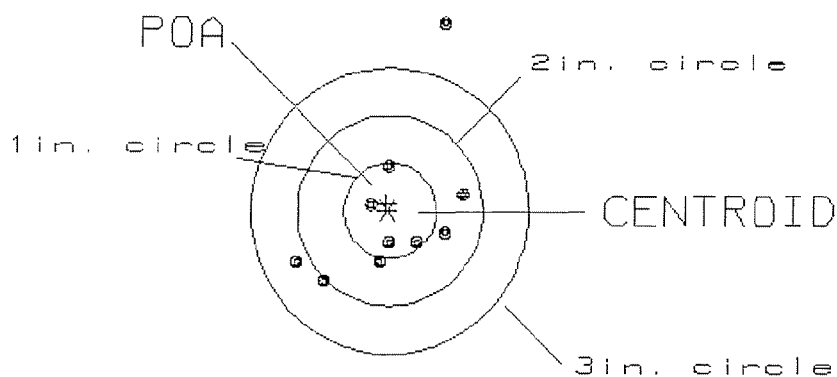
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .069
 MIN RADIUS : .241
 MEAN RADIUS : .772
 MAX RADIUS : 2.077
 CENTROID X : .010
 CENTROID Y : -.068

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.78

3

VS= 2.71

7

GS= 3.00

9

BARBER - M24 0120458

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .164

MIN RADIUS : .317

MEAN RADIUS : .795

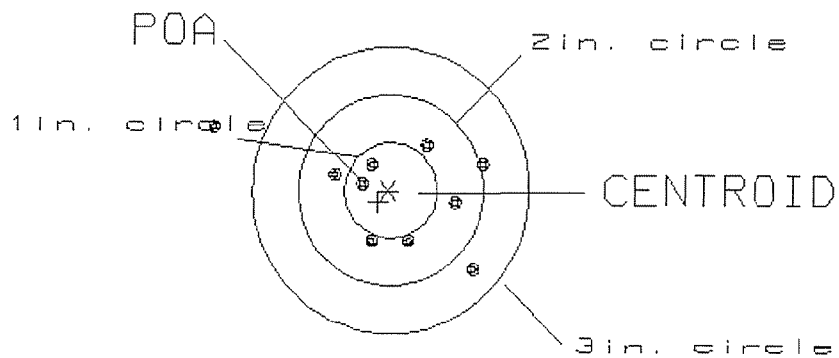
MAX RADIUS : 2.000

CENTROID X : .106

CENTROID Y : .125

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.88

2

VS= 1.58

7

GS= 3.17

9